

**IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE**

AMENDMENT

Applicant:	Baek et al.	Docket No.:	MAC-10865
Serial No.:	10/559,944	Group Art Unit:	1792
Filed:	December 8, 2005	Examiner:	Weddle, Alexander M.
		Confirmation No.:	1504

TITLE: APPARATUS AND METHOD FOR THIN FILM DEPOSITION

Mail Stop Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In the Restriction Requirement mailed March 20, 2009, the Examiner stated that the application contains claims directed to two distinct groups of inventions: Group I, claims 1-3 and 5-22, which is drawn to a thin film deposition apparatus; and Group II, claims 23-29, which is drawn to a thin film deposition method. The Examiner required the applicants to elect a single disclosed invention for prosecution on the merits.

The Examiner has also required that if election Group I, Applicants must also elect between Species A, the gas retaining means comprising an upper plate for retaining the gas, exemplified in Claims 5-10 and 12-15; and Species B, the gas retaining means comprising a

shower head, exemplified in Claims 16-17. The Examiner also required if electing Species A, Applicants must also elect between Species i, the partition walls are installed in a radial direction, exemplified in claim 6; and Species ii, the partition walls are installed in a spiral form, exemplified in claim 7.

The Examiner has additionally required that if Group II is elected, Applicants must also elect between Species C, the method comprising a step of rotating a plurality of reaction cells above a susceptor, exemplified in claims 23-24 and 26-29; and Species D, the method comprising a step of rotating a susceptor below a plurality of reaction cells, exemplified in claim 25. The Examiner also indicated that if Species C is elected, Applicants must elect between Species iii, a step of supplying the gases from the center of the susceptor in a radial direction. Exemplified in claim 26, and Species iv, a step of supplying the gases vertical downwardly towards the susceptor in a shower head fashion, exemplified in claim 27.

Applicants provisionally elect Group I, Species A, Species i, claims 1-3 and 5-22. The election is made with traverse.

The Examiner has indicated in paragraph 2 of the Office Action that the elements of “a rotation driving means for sequentially exposing substrate to gas” in the inventions of Group I and Group II do not have any special technical feature in comparison with the prior art in view of Hwang et al. (U.S. 6,656,284). Applicant wishes to point out to the Examiner that “a gas retaining means having a plurality of reaction cells for partitionally accommodating and retaining the respective gases distributed from the gas distribution means” of the element of claim 1 of Group I and the element in the method of Group II using the same means have the special technical features not disclosed in the prior art. Accordingly, since an element of the claims not found in the prior art exists in Groups I and II, Groups I and II satisfy the unity of invention.

Applicants provisionally request that claims 23-29 be canceled so that applicant may file them in a later divisional application.

If any additional fees are due as a result of this response, please charge Deposit Account No. 19-0513. This authorization is intended to act as a constructive petition for an extension of time, should an extension of time be needed as a result of this response. The examiner is invited to telephone the undersigned if this would in any way advance the prosecution of this case.

Respectfully submitted,

Date: April 20, 2009

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